

3
BOWKER, 1677.

AN
ALMANACK

For the Year of our Lord God,
M D C L X V I I.

Being the First after Bissextile or Leap-Year.

Containing the Motions of the Sun, Moon
Planets and fixt Stars, their Rising, Southing and Setting,
the Aspects of the Planets, and Inclination of the A I R.

The time of High-Water at London-Bridge
every day in the Year, and also in Fifty five other
Ports and Havens about ENGLAND.

WITH

A brief CHRONOLOGY in a new mode,
and divers other necessary matters and things perti-
nent to the complearing of a Diary or Day-book,
suitable to all mens occasions.

Calculated properly for the Meridian of London
and may generally serve the two famous Islands
O F

Great BRITAIN and IRELAND.

By JAMES BOWKER, *Philomath.*

*The Heaven's a Book, the Stars are Letters fair.
God is the Writer, Men the Readers are.*

LONDON: Printed by Andrew Clark, for
the Company of Stationers. 1677.

Notes and moveable Feasts for this
Year 1677. according to the Accounts

English.		Gregorian, or Forcin.
	The Golden Number	6
	The Cycle of the Sun	6
	Dominical Letter	C
	The Epact	26
February 29	Shrove-Sunday	16 February
April 15	Easter-day	18 April
May 20	Rogation Sunday	23 May
May 24	Ascension day	27 May
June 3	Whitsunday	6 June
June 10	Trinity-Sunday	13 June
December 2	Advent Sunday	28 November

No Marriage without a Licence.

The beginning of the year till January 14.
From { February 10. to April 21.
May 25. till June 10.
December 2. till January 14. 1678.

VENUS is a Morning-Star from the beginning of this year till the 19. day of June, and may be seen to shine gloriously in the East before the Sun rises; afterwards (she being then in Conjunction with the Sun) she becomes our bright Evening-Star, shining most bright in the evenings after the Sun is set, and so she continues all the rest of the Year.

The Beginning, Ending and Returns of the Term

Return days, or days of Essoin.	Days of Except.	Returna Brevium	Days of Appearanc
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Hilary-Term begins January 24. and ends Feby. 12.

<i>Obab. Hil.</i>	<i>Janua. 21</i>	<i>22</i>	<i>22</i>	<i>23</i>
<i>Quind. Mill.</i>	<i>Jan. 27</i>	<i>29</i>	<i>29</i>	<i>30</i>
<i>Craft. Purif.</i>	<i>Feb. 3</i>	<i>5</i>	<i>5</i>	<i>6</i>
<i>Obab. Purif.</i>	<i>Feb. 10</i>	<i>12</i>	<i>12</i>	<i>12</i>

Easter-Term begins May 1. ends May 28.

<i>Quind Pasch.</i>	<i>April 30</i>	<i>May 1</i>	<i>2</i>	<i>2</i>
<i>Tres. Pasch.</i>	<i>May 7</i>	<i>8</i>	<i>9</i>	<i>10</i>
<i>Manf. Pasch.</i>	<i>May 14</i>	<i>15</i>	<i>16</i>	<i>17</i>
<i>Quinq. Pasch.</i>	<i>May 21</i>	<i>22</i>	<i>23</i>	<i>25</i>
<i>Craft. Ascens.</i>	<i>May 28</i>	<i>26</i>	<i>27</i>	<i>28</i>

Trinity-Term begins June 15. and ends July 4.

<i>Craft. Trin.</i>	<i>June 11</i>	<i>12</i>	<i>13</i>	<i>15</i>
<i>Obab. Trin.</i>	<i>June 18</i>	<i>19</i>	<i>20</i>	<i>21</i>
<i>Quind. Trin.</i>	<i>June 25</i>	<i>26</i>	<i>27</i>	<i>28</i>
<i>Tres. Trin.</i>	<i>July 2</i>	<i>3</i>	<i>4</i>	<i>4</i>

Michaelmas-Term begins Octob. 23. ends Nov. 28.

<i>Tres. Mich.</i>	<i>Octob. 20</i>	<i>22</i>	<i>22</i>	<i>23</i>
<i>Manf. Mich.</i>	<i>Octob. 27</i>	<i>29</i>	<i>29</i>	<i>30</i>
<i>Craft. Anim.</i>	<i>Nov. 3</i>	<i>5</i>	<i>5</i>	<i>6</i>
<i>Craft. Mart.</i>	<i>Nov. 12</i>	<i>13</i>	<i>14</i>	<i>15</i>
<i>Obab. Mart.</i>	<i>Nov. 19</i>	<i>20</i>	<i>21</i>	<i>21</i>
<i>Quind. Mart.</i>	<i>Nov. 26</i>	<i>27</i>	<i>27</i>	<i>28</i>

The Exchequer opens 8 days before any Term begins, except Trinity, before which it opens but four days.

Who goes to Law for Courtes Gainers Land,
And For the Lawyer takes the Cause in hand :
Who (for his Counsel) taketh Fees of either,
And in the end leaves neither worth a Feather.

Now comes the Term, and Judgment must proceed,
Fools they sell out, and Beggars they agreed.

A Table shewing the time of High Water in all the Ports
below mentioned.

Hours and Minutes to be added.		The Names of the Ports.		Ho. Mi	
h.	m.			h.	m.
1	0	49	Queenborough, Southampton, Portsmouth,	0	0
2	1	38	Rochester, Maldon, Blackhall,	0	45
3	1	26	Graveland, Dover, Blacknefs, Silly,	1	30
4	3	15	Dundee, St. Andrews, Lisbon, Lucas,	2	15
5	4	2	London, Tinnmouth, Amsterdam, Rotterdam,	3	0
6	4	53	Barwick, Flushing, Flamborough,	3	45
7	5	41	Baltamoor, Corke, Severn, Callice,	4	30
8	6	30	Falmouth, Humber, New-Castle,	5	15
9	7	19	Plimouth, Hull, Lin, St. Davids,	6	0
10	8	8	Bristol, Start-point, Waterford,	6	45
11	8	56	Milford, Bridgewater, Lands-end,	7	30
12	9	45	Portland, Hartfew, Dublin,	8	15
13	10	34	Pool, Isle of Man, Dunbar, Diepe,	9	0
14	11	23	Needles, Orford, South and N. Forelands,	9	45
15	12	11	Yarmouth, Dover, Harwich,	10	30
16	0	0	Rie, Winchelsey, Colshot,	11	15

The Use of these Tide-Tables.

IN the Table following, you have the **Ds** age every day of the year, which being known, seek the Moons age in this Table, and see what hours and minutes stand against it, those hours and minutes being added to the hours and minutes which stand against the name of the place you would know the time of High-water at, will give you the time of high water at that place.

Example.

27 9 8
28 9 56
29 10 45
30 11 34

If you would know what time it will be High-water at *Gravesend*, upon the 3 of *January*, look in the following Table and against the 3 of *January*, you shall find the Moon is 16 days old: wherefore find 16 days in this Table under (C Age) and against it you shall find 8 h. 8 m. which being added to 1 h. 30 m. (the hours and minutes standing against *Gravesend*) the sum is 9 h. 38 m. at which time it will be High water at *Gravesend* on the 3 of *January* -afternoon--But if the hours and minutes added together exceed 12 hours, you must cast away 12 hours, and the time of High water will remain. So on the 2 of *January*, the Moon being 9 days old, the hours and min. against 9 days old are 7 h. 19 min. which added to 10 h. 30 m. (the hours and min. standing against *Dover*) make 17 h. 49 m. from which take 12 h. and there remains, 5 h. 49 m. at which time, it will be high water at *Dover* the 2 of *January*.

Within the narrow Confines of this Page
You have for every day fair *Cynthia's Age* :
Which had, in *Fifty five* Ports it decrees
Th' alternate Motion of th' *restless Seas*.

A Table of the Moons Age.

	Jan	Feb	Mar	Apr	Ma	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8	9	8	9	10	11	12	13	14	15	16	17
2	9	10	9	10	11	12	13	14	15	16	17	18
3	10	11	10	11	12	13	14	15	16	17	18	19
4	11	12	11	12	13	14	15	16	17	18	19	20
5	12	13	12	13	14	15	16	17	18	19	20	21
6	13	14	13	14	15	16	17	18	19	20	21	22
7	14	15	14	15	16	17	18	19	20	21	22	23
8	15	16	15	16	17	18	19	20	21	22	23	24
9	16	17	16	17	18	19	20	21	22	23	24	25
10	17	18	17	18	19	20	21	22	23	24	25	26
11	18	19	18	19	20	21	22	23	24	25	26	27
12	19	20	19	20	21	22	23	24	25	26	27	28
13	20	21	20	21	22	23	24	25	26	27	28	29
14	21	22	21	22	23	24	25	26	27	28	29	30
15	22	23	22	23	24	25	26	27	28	29	30	31
16	23	24	23	24	25	26	27	28	29	30	31	1
17	24	25	24	25	26	27	28	29	30	31	1	2
18	25	26	25	26	27	28	29	30	31	1	2	3
19	26	27	26	27	28	29	30	31	1	2	3	4
20	27	28	27	28	29	30	31	1	2	3	4	5
21	28	29	28	29	30	31	1	2	3	4	5	6
22	29	30	29	30	31	1	2	3	4	5	6	7
23	30	31	30	31	1	2	3	4	5	6	7	8
24	31	1	1	2	3	4	5	6	7	8	9	10
25	1	2	2	3	4	5	6	7	8	9	10	11
26	2	3	3	4	5	6	7	8	9	10	11	12
27	3	4	4	5	6	7	8	9	10	11	12	13
28	4	5	5	6	7	8	9	10	11	12	13	14
29	5	6	6	7	8	9	10	11	12	13	14	15
30	6	7	7	8	9	10	11	12	13	14	15	16
31	7	8	8	9	10	11	12	13	14	15	16	17

A compendious CHRONOLOGY.

A	All things were of GOD created good	5618
	Noah ascends the Ark t' avoid the Flood	3940
	GOD the Promise made to Abraham	3604
	Th' Israelites from Egypt's Bondage came	3172
	Solomon the Temple finished	2607
	King Sedecias was a Captive led	2267
	JESUS was of th' Blessed Virgin born	1677
	For Mans Sin he suffer'd Death and Scorn	1654
	First the Saxons stept on English ground	1121
	Here the Danes the like advantage found	845
	Norman William Britain over-power'd	611
	Maud the English-Saxon Blood restor'd	573
	Second Henry Ireland first assail'd	504
	Our First Edward hence the Jews expel'd	386
	Tyler said would have the Throne ascend	295
	He his Life with his Rebellion ended	295
	Guns (thole mortal Engines) first were found	297
	Printing first made the world with Books abound	234
	Phil. of Spain did with Queen Mary marry	123
	Coaches were invented men to carry	122
	Lightning last consum'd S. Paul's high Spire	116
	All the Heavens appeared on a Fire	103
	Percy and great Nevil's Insurrection	108
	Gresham-Colledge and th' Exchange erection	106
	Drake surrounded this our Globe of strife	100
	Pious Gresham did exchange this Life	98
	Saint Domingo Ransack'd was by Drake	92
	Then the Spaniards did (not fight) but quake	92
	Boasting Spains Armado overthrown	89
	That Tobacco was in England known	86
	Cates was from the Spaniards stoutly torn	81
	CHARLES the first was at Dunfermlin born	77
	JAMES of Scotland the Englands Crown possesst	75
	He th' Allegiance Oath upon us prest	75

Since

	Fate reveal'd the Hellish Powder Plot	72
	We rejoyc'd that it succeeded not	71
	A Great Plague on London Heaven sent	52
	Then at Oxford sate the Parliament	52
	That the Duke of <i>Buckingham</i> was slain	49
	England did conclude a Peace with Spain	48
	Our dread Sovereign first breath'd <i>Richmond</i> air	47
	<i>Bishop Laud</i> began St. <i>Pau's</i> Repair	43
	<i>Charles</i> the First advanc'd against the <i>Scots</i>	38
	The Lord <i>Stafford</i> stooped to the Block	36
	<i>Charles</i> his Royal Standard streaming stood	35
	<i>Keinton</i> Field was dy'd with English Blood	35
	Reverend <i>Laud</i> unto the Block did bow	33
	<i>Naseby</i> Field first own'd that fatal blow	32
	<i>Charles</i> the First left Oxford in disguise	31
	He unto the <i>Scots</i> became a Prize	31
	Martyr'd <i>Charles</i> receiv'd his fatal doom	29
	The Rump Voted Kingship burthensome	29
	<i>Cromwel</i> did Protectorship usurp	25
	In a Whirlwind he was taken up	18
	Into London General <i>Mank</i> did come	18
	The secluded Members he brought home	17
	<i>Charles</i> the Second's coming to <i>White-Hall</i>	17
	Forthwith he a Parliament did call	17
	That the horrid Regicides were Try'd	17
	They at <i>Charing-Cross</i> most justly dy'd	17
	There appear'd three Comets in the Sky	11
	That the English made the Dutch Ships fly	11
	London's last great Plague or Visitation	11
	Holland thrice beat by the English Nation	11
	(For our Sins) God in his dreadful Ire	11
	London consumed by a dismal Fire	11
	By his Providence Omnipotent	6
	Restor'd and built far more Magnificent	6
	Peace agreed 'twixt English and the Dutch	4
	The shrill Trumpet nois'd it to be such	4

January hath xxxi. days.

- Full Moon the 8. day, at 15 m. after 11 at night.
- Last quarter the 16. day, 39 min. past 2 after noon.
- New Moon the 23. day, half an hoar past 5 in the morn.
- First quarter the 30. day, at 3 after noon.

Beware of Cold, in blees. or bathe the head.
A good warm Cover this Month the Bark will need.

1	a	Circumcilio	22	0	8	0	19	23	8	1	4	*
2	b	Adlar	23	5	12	3	1	49	20	Cold and		
3	c	Mcclerus	24	6	14	24	5	29	7	11	5	b
4	d	Croniacus	25	7	6	11	13	2	14	46	2	Apeg.
5	e	Edward K.	26	8	18	2	2	19	17	19	9	Coudy
6	f	Epiphany	27	5	19	52	6	19	19	0	0	0
7	g	1 aft. Epip	28	1	11	5	46	7	3	c	m	and snow
8	a	William	29	1	23	48	0	27	59	11		like the
9	b	Adrian	30	1	5	8	1	2	20	47	2	farmer
10	c	Paul Brem.	1	1	18	21	0	27	16	19		part of this
11	d	Hyginus	2	1	0	12	5	6	19	19	0	month,
12	e	Weddin. in	3	1	13	35	4	4	12	1		inclining
13	f	Hilary B.C	4	1	17	16	31	0	27	11	11	to
14	g	2 aft. Epip.	5	1	18	2	39	0	26	49	2	8
15	a	Mauritius	6	1	20	23	1	0	5	59	2	frost
16	b	Marcel us	7	1	21	6	36	6	19	21	0	
17	c	Anthony	8	1	22	20	26	4	5	23	2	Oriental
18	d	Chair	9	1	23	4	34	0	26	43	11	Cold and
19	e	Wolstan	10	1	24	19	8	0	2	52	19	variable
20	f	Fab. & Seb.	11	1	25	5	19	40	0	14	31	perig. of 20
21	g	3 aft. Epip.	12	1	25	18	7	6	19	27	0	with snow
22	a	Vincent	13	1	26	3	18	4	6	34	2	of Sea. of 20
23	b	Term beg.	14	1	27	18	5	0	26	35	11	of 20
24	c	Timothy B	15	1	28	2	34	0	8	27	12	or Rain.
25	d	Con. S. Paul	16	1	29	16	40	0	23	16	2	
26	e	Polycarpus	17	1	30	0	20	6	19	35	0	Snow, later
27	f	J. Chrysoft	18	1	31	13	33	4	7	46	2	or rain
28	g	4 aft. Epip.	19	1	31	16	19	0	26	48	11	
29	a	Gildas	20	1	32	8	43	0	15	2	12	about these
30	b	K. Chas. I.M	21	1	33	20	50	0	2	29	12	of b
31	c	Adaman	22	1	33	2	43					days.

JANUARY, 1677.

JANUARY taketh the name either of Janus, an ancient King of Italy who for his Wisdom and Providence was painted with two Faces, the one to king back to the Old Year, and the other forward to the New. Or else it takes the name of Janua a Gate, because it is the Gate or Entrance into the Year. The Saxons called this Month Wolf-Moneth, viz. Wolf-Month for that they were then in danger of being devoured by Wolves.

1	3	23	53	9	24		11	0
2	3	4	0	10	12	Day 8 hours long.	12	8
3	7	56	4	11	0		13	1
4	7	57	4	3	11	48	14	4
5	7	56	4	4	12	36	15	4
6	7	55	4	5	1	24	16	4
7	7	54	4	6	2	12	17	4
8	7	53	4	7	3	0	18	4
9	7	52	4	8	3	48	19	4
10	7	50	4	10	4	36	20	4
11	7	49	4	11	5	24	21	4
12	7	47	4	13	6	12	22	4
13	7	46	4	14	7	0	23	4
14	7	45	4	15	7	4	24	4
15	7	44	4	16	8	36	25	4
16	7	42	4	18	9	24	26	4
17	7	41	4	19	10	12	27	4
18	7	39	4	21	11	0	28	4
19	7	38	4	22	11	4	29	4
20	7	36	4	24	12	36	30	4
21	7	34	4	26	1	2	31	4
22	7	32	4	28	2	13	Febr.	
23	7	31	4	29	3	0	2	1
24	7	30	4	30	3	48	3	1
25	7	28	4	32	4	36	4	1
26	7	26	4	34	5	24	5	1
27	7	25	4	35	6	1	6	1
28	7	23	4	37	7	0	7	1
29	7	21	4	39	7	48	8	1
30	7	20	4	40	8	36	9	1
31	7	18	4	42	9	24	10	1

High water at London Bridge.

Sun rises.

Sun sets.

Day 8 hours and a half long.

South arm of Crab So. at 12.

Day breaks at 5 h. 32 m.

Twilight ends 6 h. 28 m.

Heart of Hydra South at 12.

Day 9 hours long.

The G. Dog rises achronically.

Day lengthened 1 ho. 36 m.

Day breaks 5 h. 17 m.

Twilight ends 6 h. 43 m.

February hath xxviii. days.

- Full Moon the 8. day, 17 min. after 2 in the morning.
- Last quarter the 14. day, 11 min. after 11 at night.
- New Moon the 21 day, 17 min. after 7 at night.

*Warm Cloaths this Month are good, old Sack no less,
Always provided they avoid excess.*

M.D.	W.D.	The Feasts and Terme.	Place.		Place.		The Planets Places.	Plan. Aspects Inclin of Air
			D.	M.	D.	M.		
1	b	Ignatius	23	34	14	31	b 19 49	♂ ♀ ☿
2	e	Candlemas	24	35	16	19	♂ 9 10	♂ ♀ ☿
3	e	St. Blas. B.M.	25	35	8	5	♂ 27 24	♂ ♀ ☿ Cold and
4	♂	St. Blas. Episc.	26	36	20	7	♂ 22 21	♂ ♀ ☿ pleasant
5	a	Agatha V.	27	37	2	6	♂ 12 57	♂ ♀ ☿
6	b	Dorothea	28	37	14	38	b 20 3	♂ ♀ ☿ Much snow
7	e	Romwald	29	37	27	15	♂ 10 30	♂ ♀ ☿ or cold
8	b	Idelfleda A.	30	38	10	6	♂ 28 10	♂ ♀ ☿ Rain
9	e	Apollonia	1	38	23	12	♂ 28 28	♂ ♀ ☿ following.
10	e	Wedd. out	2	39	6	29	♂ 20 24	♂ ♀ ☿ Variable
11	♂	Septuages.	3	39	10	56	b 20 19	♂ ♀ ☿ weather, as
12	a	Term ends	4	39	3	32	♂ 11 29	♂ ♀ ☿ at greatest
13	b	Ermenild	5	40	17	15	♂ 29 14	♂ ♀ ☿ dist. from ☿
14	e	Valentine	6	40	1	2	♂ 4 36	♂ ♀ ☿ Stormy,
15	b	Jovita, &c.	7	40	15	6	♂ 25 21	♂ ♀ ☿ cloudy and
16	e	Julian	8	40	29	15	b 20 38	♂ ♀ ☿ Perig.
17	e	Finan B.	9	41	13	30	♂ 12 37	♂ ♀ ☿ high winds
18	♂	Sexagesima	10	41	27	53	♂ 0 27	♂ ♀ ☿ for many days
19	a	Acca B.	11	41	12	17	♂ 19 43	♂ ♀ ☿ &
20	b	Mildreda	12	41	26	38	♂ 26 40	♂ ♀ ☿
21	e	Cimbret	13	41	10	44	b 20 59	♂ ♀ ☿
22	b	Cath. Per.	14	41	24	44	♂ 13 44	♂ ♀ ☿
23	e	Polycarpus	15	41	8	16	♂ 1 53	♂ ♀ ☿ still windy.
24	e	S. Matthias	16	41	21	26	♂ 16 51	♂ ♀ ☿
25	♂	Quinquag.	17	41	4	13	Shro. Sund	More serene
26	a	Victorinus	18	41	16	39	♂ 23 24	♂ ♀ ☿
27	b	Shrove Tues.	19	40	28	47		and pleasant
28	e	Ash-Wednes.	20	40	10	42		□ b. 2

FEBRUARY, 1677.

FEBRUARY takes the name a Feb uis capitolis, from certain expiatory Sacrifices, which the Romans in this Month offered to their God Februus, for purging of the Souls of the Dead, as they thought. The Saxons called it Sprout-Kele, because the Colwort (which they call Kele) in this Month yielded wholsom young sprouts for their nourishment.

N	H. M. H. M. H. M.				M.	Incr. & Decr of the days, with Southing of Stars and Planets.	Foreign Accoun.	
1	7	17	4	43	10	12		1
2	7	16	4	44	11	0	Day 9 hours and half long.	2
3	7	14	4	46	11	48	a) Sun rises ESE, sets WSW.	3
4	7	13	4	47	12	36		4
5	7	11	4	49	1	24		5
6	7	10	4	50	2	12		6
7	7	8	4	52	3	0	Day lengthned 12 h. 10 m.	7
8	7	6	4	54	3	52		8
9	7	4	4	56	4	43		9
10	7	2	4	58	5	35	Day breaks at 5 in the morn.	10
11	6	59	5	16	26	26	Day 10 hours long.	11
12	6	58	5	27	18	18	Twilight ends at 7 at night.	12
13	6	56	5	48	10	10		13
14	6	55	5	59	2	2		14
15	6	54	5	69	53	53		15
16	6	53	5	7	10	45	Day lengthened 12 h. 38 m.	16
17	6	51	5	9	11	37		17
18	6	49	5	11	12	28		18
19	6	46	5	14	1	20		19
20	6	44	5	16	2	11	Day 10 hours and half long.	20
21	6	42	5	18	3	0	b) Sun rises E. & S. sets W. & S.	21
22	6	40	5	20	3	45		22
23	6	38	5	22	4	30		23
24	6	35	5	25	5	15	Day breaks at 4 h. 30 m.	24
25	6	32	5	28	6	0	Twilight ends 7 h. 30 m.	25
26	6	30	5	30	6	45	Day 11 hours long.	26
27	6	27	5	33	7	30		27
28	6	24	5	36	8	15		28

High water at London Bridge.

Sun rises.

Sun sets.

Marr.

March hath xxxi. days.

- First quarter the 1 day, 5 min. past 9 in the morning.
- Full Moon the 9. day, 8 min. after 7 in the morning.
- Last quarter the 16. day, 19 min. past 5 in the morn.
- New Moon the 23. d y, 5 min. past 2 in the morning.
- First quarter the last day, at 6 in the morning.

*Thy Blood afresh 'gins to increase again,
Baibe, bleed and purge, thy Body to maintain.*

1	D	David	21	40	22	II	9	b	21	38	♂	♂	♂	
2	e	Chad	22	40	1	S	16	Y	15	29	♂	♂	♂	
3	f	Lucius P.M	23	39	16		6	♂	4	30	♂	♂	♂	
4	G	Quadr. gel	24	39	28		4	♀	26	39	♂	♂	♂	A probab lin
5	a	Eusebius	25	39	10	R	17	♀	16	52	♂	♂	♂	of good wea-
6	b	Frideline	26	38	22		47	b	22	5	♂	♂	♂	cher all the
7	c	Ember we.	27	38	5	R	36	Y	16	31	♂	♂	♂	former part
8	b	Felix	28	37	18		44	♂	6	18	♂	♂	♂	of
9	e	xl. Mare.	29	37	2		9	♀	2	48	♂	♂	♂	this month,
10	f	Francis.	30	36	15		51	♀	13	39	♂	♂	♂	
11	G	Reminisc.	1	35	29		44	b	22	33	♂	♂	♂	Variable and
12	a	Gregory	2	35	13	R	45	Y	17	33	♂	♂	♂	Tu bulent
13	b	Vigan Mon.	3	34	27		50	♂	8	16	♂	♂	♂	weather as
14	c	Leon	4	33	11	R	56	♀	8	56	♂	♂	♂	storms and
15	d	Aristobulus	5	33	26		2	♀	12	55	♂	♂	♂	Stare
16	e	Cyriacus	6	31	10	R	6	b	23	3	♂	♂	♂	hunder
17	f	Patrick BC	7	31	14		8	Y	18	33	♂	♂	♂	
18	G	Oculi	8	30	3		12	♂	10	18	♂	♂	♂	Windy,
19	a	Joseph M.	9	29	22		10	♀	15	4	♂	♂	♂	
20	b	Joachim	10	28	6	R	2	♀	14	33	♂	♂	♂	cold and
21	c	Benedictus	11	27	19		45	b	23	35	♂	♂	♂	
22	d	Aphrodisius	12	26	3	R	15	Y	19	30	♂	♂	♂	
23	e	Robert K.	13	25	16		31	♂	12	28	♂	♂	♂	wet.
24	f	Agapetus	14	24	29		28	♀	21	12	♂	♂	♂	
25	G	Annun. Ma.	15	23	12	R	8	♂	18	44	♂	♂	♂	Middle S. Morning
26	a	Castorius	16	22	24		30	♀	18	44	♂	♂	♂	
27	b	Archibald	17	21	6	II	37	b	24	15	♂	♂	♂	Frosts and
28	c	Fremond	18	19	18		33	Y	20	36	♂	♂	♂	pleasant
29	d	Eustace	19	18	5	S	22	♂	15	8	♂	♂	♂	at greater
30	e	Patrone B.	20	17	12		11	♀	28	34	♂	♂	♂	dist. from ☉
31	f	Tran Adel	21	16	24		1	♂	23	43	♂	♂	♂	weather.

MARCH, 1677.

MARCH so called à Marre, of Mars the God of Battel. to whom this Month was dedicated by the antient Romans. The Saxons called it Lenct-moneth, that is, Length-Month, because in this Month the Days begin to exceed the Nightes in length, and hence cometh the name of the Feast of Lenct, because the most Part of that Fast falleth in this Month

1	6	23	5	37	19	0	Day lengthned 3 h. 40 m.	11	g
2	6	20	5	40	9	45	The Lions Tail South at 12.	12	a
3	6	18	5	42	10	30		13	b
4	6	16	5	44	11	15	Day 11 hours and half long.	14	c
5	6	14	5	46	12	0	Day breaks 4 h. 12 m.	15	d
6	6	11	5	49	12	45	Twilight ends 7 h. 44 m.	16	e
7	6	9	5	51	1	30		17	f
8	6	7	5	53	2	15		18	g
9	6	5	5	55	3	0		19	a
10	6	3	5	57	3	52	The Sun rises due East,	20	b
11	6	0	6	0	4	43	Equal Day and Night.	21	c
12	5	59	6	1	5	35	And sets due West.	22	d
13	5	57	6	3	6	26		23	e
14	5	56	6	4	7	18		24	f
15	5	54	6	6	8	10	Day breaks 3 ho. 50 min.	25	g
16	5	52	6	8	9	2	Twilight ends 8 h. 20 m.	26	a
17	5	50	6	10	9	53		27	b
18	5	48	6	12	10	45		28	c
19	5	46	6	14	11	37	Day 12 hours and half long.	29	d
20	5	44	6	16	12	28	First in G. Bears tail S at 12.	30	e
21	5	42	6	18	1	20		31	f
22	5	40	6	20	2	11	Sun due E. a quarter after 6.	April	1
23	5	39	6	21	3	0	in the morning.	2	a
24	5	37	6	23	3	48	Day lengthned 5 hours 10 m.	3	b
25	5	36	6	24	4	36	Day breaks 3 h. 25 m.	4	c
26	5	34	6	26	5	24	Twilight ends 8 h. 35 m.	5	d
27	5	32	6	28	6	12		6	e
28	5	30	6	30	7	0	Day 13 hours long.	7	f
29	5	28	6	32	7	48	The second in great Bears	8	g
30	5	26	6	34	8	36	tail is South at 12.	9	a
31	5	24	6	36	9	24		10	b

April hath xxx. days.

- Full Moon the 7. day, half an h. after 6. at night.
 ● Last quarter the 14. day, half an hour past 10 in the morn.
 ● New Moon the 21. day, 53 m. after 7 at night.
 ● First quarter the 29. day, 10 min. past 11 at night.

If thou intendst to Purge or Bath or Bleed,
 Of Learn'd Physicians Counsel, thou hast need.

1	St. Francis	2	14	5	♂	59	h	24	49	♂	
2	St. Richardus	3	13	18	11	♀	21	28	♂	Windy	
3	St. Ambrosius	24	11	0	♂	41	♂	17	28	♂	Wet and
4	St. Marrian	25	10	13	33	♀	4	41	♀	cloudy	
5	St. Ethelwold	26	8	16	49	♀	19	45	♂	about this	
6	St. Sigene	27	7	10	27	♂	25	25	♂	time.	
7	St. Palm-Sun	28	5	24	27	♀	22	17	♂		
8	St. Fristan	29	4	8	35	♂	19	52	♂		
9	St. Eschillus	0	2	23	13	♀	10	50	♀	Perig.	
10	St. Leo P.	1	0	7	45	♀	6	38	♀		
11	St. Julius	1	59	2	16	♂	26	1	♂	Pleasant Spring	
12	St. Good Frida	2	57	6	42	♀	23	3	♂	weather, with	
13	St. Valerian	3	55	20	57	♂	22	20	♂	fresh gales	
14	St. Easter day	4	53	5	1	♀	16	58	♀	of wind.	
15	St. Tra. Alban.	5	51	18	54	♀	14	19	♀	♂ ♀ ♂	
16	St. Anicetus	6	50	1	36	♂	26	38	♂		
17	St. Oswin Mo.	7	48	16	2	♀	23	46	♂		
18	St. Timotheus	8	46	29	22	♂	24	51	♂		
19	St. Chadwal K.	9	44	12	27	♀	23	6	♀	Very warm	
20	St. Weddie	10	42	25	20	♀	22	46	♀	♂ ♀ ♂	
21	St. Low-Sund	11	40	7	59	♂	27	16	♂	♂ ♀ ♂	
22	St. S. George	12	38	20	25	♀	24	26	♂	♂ ♀ ♂	
23	St. Melitus B.	13	36	2	38	♂	27	25	♂	♂ ♀ ♂	
24	St. S. Mark Ev.	14	34	14	43	♀	29	15	♀	♂ ♀ ♂	
25	St. Clerus	15	31	26	37	♀	1	58	♂	Good Spring	
26	St. Walburg V	16	29	8	29	♂	25	55	♂	weather to	
27	St. Vicalis M.	17	27	20	17	♀	25	2	♂	the	
28	St. Milericor	18	25	2	9	♂	0	2	♂	♂ ♀ ♂	
29	St. Catharine	19	23	14	9	♀	5	21	♂	months	
30		20	20	26	10	♀	11	58	♂	end.	

APRIL, 1677.

APRIL so called ab aperiendo of opening, because in this Month all things are opened in the flower. So Ovid, Aprilem memorant ab aperto tempore dictum. The antient Saxons called it Oster-Monat, of the East-wind that used to blow this Month, and hence the Feast of Easter seemeth to take its name, as being for the most part kept in this Month

1	5	20 6	40 10	11	Day breaks 2 h. 57 m.	11	1
2	5	18 6	42 11	c	Twilight ends 9 h. 3 m.	12	2
3	5	16 6	44 11	48	Day 13 hours and half long	13	3
4	5	14 6	46 12	36		14	4
5	5	12 6	48 1	24	The 14. day keep holy, praise	15	5
6	5	10 6	50 2	12	him still	16	6
7	5	7 6	53 3	0	That set us free from Satan,	17	7
8	5	4 6	56 3	52	Sin and Hell.	18	8
9	5	2 6	58 4	43		19	9
10	5	0 7	0 5	35	Day 14 hours long.	20	10
11	4	58 7	2 6	26		21	11
12	4	57 7	3 7	18	Day lengthned 6 h. 32 min	22	12
13	4	55 7	5 8	10		23	13
14	4	53 7	7 9	2	Day breaks 2 h. 25 m.	24	14
15	4	52 7	8 9	53	Twilight ends 9 h. 25 m.	25	15
16	4	50 7	10 10	44	Sun rises ENE. sets WNW.	26	16
17	4	48 7	12 11	37		27	17
18	4	46 7	14 12	28		28	18
19	4	44 7	16 1	20	Day 14 hours and half long	29	19
20	4	42 7	18 2	11		30	20
21	4	40 7	20 3	0		May	
22	4	39 7	21 3	45	The 7 stars rise Cosmically.	1	1
23	4	37 7	23 4	30		2	2
24	4	35 7	25 5	25	Day breaks 1 h. 51 m.	3	3
25	4	33 7	27 6	0	Twiligh ends 10 h. 9 m.	4	4
26	4	31 7	29 6	54		5	5
27	4	29 7	31 7	30	Day 15 hours long.	6	6
28	4	27 7	33 8	15	The North Balance S. at 10.	7	7
29	4	25 7	35 9	0		8	8
30	4	23 7	37 9	45	Day lengthned 7 h. 40 m	9	9
						10	10

High water at London Bridge.

Sun rises.

Sun sets.

May hath xxxi. days.

- Full Moon the 7. day, 25 m after 3 in the morn.
- Last quarter the 13 day, 20 min. past 5 at night.
- New Moon the 21. day, 34 min. past 10 in morn.
- First quarter the 29. day, 9 min after 1 after noon.

*Sweet Morning walks and Sage the Minds may please
Of them whose Bodies are in health and ease.*

1	S. Phil. & Ja	21	18	46	28	35	
2	Term beg.	22	16	35	25	35	Good weather
3	Inv. Crucis	23	13	48	2	40	at the begin.
4	Monica	24	11	29	9	11	ing of the
5	Algis Q	25	9	36	22	35	month.
6	Jubilare	26	6	4	19	12	1 Bcl. □ ♀
7	John B. v.	27	4	53	26	3	♂ ☉ ♀
8	Aparit. M.	28	1	51	5	24	♂ ☉ ♀
9	Nazirzen	28	59	42	17	37	♂ ☉ ♀
10	Gordia, &c	29	56	3	3	33	♂ ☉ ♀
11	Mamercius	0	54	12	19	51	♂ ☉ ♀
12	Pancratius	1	51	15	26	28	♂ ☉ ♀
13	Cantarc	2	49	24	8	8	♂ ☉ ♀
14	Poniface	3	46	12	23	44	♂ ☉ ♀
15	Dympna V	4	43	17	14	21	♂ ☉ ♀
16	Ulsaldu	5	41	18	0	30	♂ ☉ ♀
17	Bernard	6	38	22	26	48	♂ ☉ ♀
18	Sewal P.	7	35	4	10	54	♂ ☉ ♀
19	Pulentian	8	33	16	29	52	♂ ☉ ♀
20	Rogan. Sun.	9	30	29	23	25	♂ ☉ ♀
21	Helen Q	10	27	11	1	11	♂ ☉ ♀
22	Adelmus	1	25	23	27	3	♂ ☉ ♀
23	Desiderius	12	22	5	13	43	♂ ☉ ♀
24	Ascension	13	19	16	6	1	♂ ☉ ♀
25	Wedd. one	14	16	28	3	30	♂ ☉ ♀
26	Austin	15	14	10	1	48	♂ ☉ ♀
27	Frudi	16	12	22	27	14	♂ ☉ ♀
28	Term ends	17	8	4	16	33	♂ ☉ ♀
29	K. Char. N	18	5	17	12	8	♂ ☉ ♀
30	Felix P.M.	19	2	0	11	18	♂ ☉ ♀
31	Petronella	20	0	13	11	11	♂ ☉ ♀

May is so called of the goddess Maja the Mother of Mercury, because the Heathens used to sacrifice to her this month. The Saxons called it Trimilk, because in this month they used to milk their Kine three times every day.







1	4	23	7	38	10	30	Day breaks 8 m. aft 2 is the morn.	11	c
2	4	21	7	39	11	15	Twilight ends 52 m. aft. 15. at n.	12	f
3	4	20	7	49	12	0	The North Crown South at 12	13	g
4	4	19	7	41	13	45	The Hinder Guard South at 12	14	a
5	4	17	7	43	1	30	Serpents neck S. at 12	15	b
6	4	15	7	45	2	15	Day 15 hours and a half long.	16	c
7	4	13	7	47	3	0		17	d
8	4	12	7	48	3	48		18	e
9	4	11	7	49	4	36	The Sun is just East at 9 m. after 7	19	t
10	4	10	7	50	5	34	in the morn and West 51 m. after 4	20	g
11	4	9	7	51	6	12	Sun rises N. E. by E. & sets N. W. by W.	21	a
12	4	7	7	53	7	0		22	b
13	4	6	7	54	7	48		23	c
14	4	5	7	55	8	36		24	d
15	4	5	7	57	9	24	Continual day and no dark night	25	e
16	4	2	7	58	10	12	from May 12 to July 12	26	f
17	4	1	7	59	11	0	Day 16 hours long.	27	g
18	3	59	8	1	11	48		28	a
19	3	58	8	2	12	36		29	b
20	3	56	8	4	1	24		30	c
21	3	55	8	5	2	12	The Bears ey. rises Cosmically.	31	d
22	3	54	8	6	3	0	Day lengthened 9 h. 8 m.	1	e
23	3	53	8	7	3	53		2	f
24	3	53	8	7	4	45		3	g
25	3	52	8	8	5	38		4	a
26	3	52	8	8	6	26	Heracles head South at 12	5	b
27	3	52	8	8	7	18		6	c
28	3	51	8	9	8	10		7	d
29	3	51	8	9	9	2	Charles II. born, 1639	8	e
30	3	50	8	10	9	53	and restored, 1660.	9	f
31	3	50	8	10	10	45	Day 16 hours 20 m. long.	10	g

High water at London bridge

June hath xxx. dayes.

- Full moon the 5 day, 3 quarters after 10 in the forenoon.
- Last quarter the 12 day, at 11 m. after 2 in the morn.
- New moon the 20 day, a quarter after 1 in the morning.
- First quarter the 28 day, 18 m. after 1 in the morning.

*Drinks new or sweet, hot Spice, I warn thee
The sports of Venus and phlebotomy.*

1	e	Pamphilus	20	15	7	27	45	h	2	33	II	High winds,
2	f	Marcellin	21	54	10	m	46	u	27	21	III	with some
3	g	Whitfild	22	51	25		15	g	19	59	II	storms, if
4	a	Petronicus	23	48	10	2	7	g	19	29	II	not thunder
5	b	Boniface	24	45	25		15	g	19	29	III	at the begin-
6	c	Ember we	25	42	10	w	29	h	3	11	II	ing of the
7	d	Paulus	26	39	25		40	u	27	22	III	Star.
8	e	William	27	36	0	III	35	g	22	53	II	
9	f	Helicianus	28	34	25		8	g	25	37	II	
10	g	Trinity Sun	29	31	9	X	15	g	24	47	III	month.
11	a	S. Barnabas	30	28	22		56	h	3	48	II	at greatest
12	b	Basilides	1	25	6	v	11	u	27	17	III	dist. from
13	c	Anthony	2	22	19		4	g	25	49	II	very warm
14	d	Corpus Chr	3	19	1	u	39	g	1	43	III	and plea-
15	e	Term beg	4	16	13		58	g	28	38	III	sant wea-
16	f	Richard	5	13	26		6	h	4	24	II	ther.
17	g	1 aft. Tri	6	10	8	II	7	u	27	8	III	g h c
18	a	Marcus & c	7	7	III		3	g	28	46	II	
19	b	Gervasius	8	4	1	III	55	g	7	53	III	
20	c	Edward	9	1	13		48	g	0	51	II	
21	d	Albon	9	58	15		51	h	4	59	II	
22	e	Paulinus	10	55	7	II	37	u	26	54	III	clouy and
23	f	Joh. & Pau.	11	52	19		38	g	1	45	III	some rain
24	g	S. Joh. Bap	12	49	1	III	45	g	14	2	III	g g c
25	a	Amphisul.	13	47	14		1	u	1	8	II	
26	b	Joh. & Pau.	14	44	16		30	h	5	32	II	p'asant at
27	c	Livinus	15	41	9	III	12	u	26	36	III	this time,
28	d	Leo P.	16	38	22		15	g	4	45	III	but winds
29	e	S. Pe. & Pa	17	35	5	III	29	g	20	11	III	at the and
30	f	Com. S. J	18	32	19		30	g	29	34	III	

JUNE 1677.

Junus Junius taketh the name of *Junius Brutus*, the Author of the *Romans Liberty*, who was made *Consul* this Month. The *Saxons* called this Month *Weyd-mōnat*, of *Weyden* to feed, because they used this Month to drive their Cattle into the Pastures to feed.

1	3	508	1011	37	Day lengthened 8 hours 45 m.	11	a
2	3	498	1112	28		12	b
3	3	498	111	20		13	c
4	3	498	112	11		14	d
5	3	488	123	0		15	e
6	3	488	123	48		16	f
7	3	478	124	36	Dragons head S. at 12	17	g
8	3	478	135	24		18	h
9	3	478	136	12	Day lengthened 2 hours 32 m.	19	i
10	3	478	137	0	Longest day 16 hours 25 m.	20	j
11	3	478	137	48	Upon which day, the ☉ will be up.	21	k
12	3	478	138	36	on the just East point, at 20 min.	22	l
13	3	478	139	24	after 8. in the morn, and upon	23	m
14	3	478	1310	12	the West point, at 40 min. after	24	n
15	3	488	1211	0	3. in the afternoon, and the ☉	25	o
16	3	488	1211	48	at the same 12 day will rise 40	26	p
17	3	488	1212	36	degr. from the East towards the	27	q
18	3	498	111	24	North, and will set 40 deg.	28	r
19	3	498	112	12	from the West towards the Nor.	29	s
20	3	508	103	0	that is the sun will Rise N. E.	30	t
21	3	508	103	52	half a Point Easterly, and set	1	u
22	3	518	94	43	N. West half a point Westerly.	2	v
23	3	518	95	35	Day 16 hours 18 m. long.	3	w
24	3	528	86	26		4	x
25	3	528	87	18		5	y
26	3	528	88	10		6	z
27	3	538	79	2	Day shortened 12 min.	7	a
28	3	548	69	53		8	b
29	3	558	510	45		9	c
30	3	568	411	37	Swans bill South at 12	10	d
					B 2		

July hath xxxi. dayes.

- Full moon th 4 day, half an hour after 5 at night.
- Last quarter the 11 day, 3 quarters past 1 in the afternoon.
- New moon the 19 day, 35 m. past 3 in the afternoon.
- First quarter the 27 day, 4 m. before 11 in the forenoon.

Strong drink and new wine, it is thy Fate.
To bathe in Rivers cool, this July go.

1	a	3 aft. Tri	10	29	3	2	47	h6	5	II	Very hot	
2	a	Visti Mary	20	26	18	29	11	26	13	III	and good	
3	b	Hyacinth	21	23	3	23	5	7	46	III	barrell	
4	c	Term ends	22	20	8	47	2	26	20	III	weather the	
5	d	Anselme	23	17	4	5	2	26	36	III	most part at	
6	e	Sexburg: Q	24	15	19	13	h6		35	II		
7	f	Tram. Tho.	25	12	3	4	59	11	25	47	III	
8	g	4 aft. Tri	26	9	18	17	5	10	49	III		
9	a	Edilburg	27	6	2	7	8	2	29	II	this month	
10	b	7 Brethren	28	3	15	27	5	23	16	III		
11	c	Pius	29	0	28	20	h7		5	II		
12	d	Henricus	20	58	0	50	11	25	17	III		
13	e	Anacletus	0	52	23	3	5	13	54	III		
14	f	Bonavent	1	5	5	II	5	8	38	II		
15	g	5 aft. Tri	2	50	16	59	2	21	0	III	very hot	
16	a	Osmond	3	47	18	51	h7	7	34	II		
17	b	Kenelma	4	44	10	5	44	11	24	43	III	
18	c	Symphoro	5	41	22	41	5	17	0	III		
19	d	Rufinus	6	39	44	5	31	2	14	48	II	thunder
20	e	Margaret	7	36	16	39	5	21	5	III		
21	f	Praxeda	8	33	18	4	h8		1	II	and storms	
22	g	6 ft. Tri	9	31	11	III	3	11	24	7	III	of hail
23	a	Apollinor	10	28	3	3	5	20	7	III		
24	b	Dagda beg	11	26	6	h8	5	20	58	II		
25	c	S. James A.	12	23	18	58	5	23	37	III		
26	d	Anna	13	21	2	III	2	h8	25	II		
27	e	J. f. of Ar.	14	18	15	21	11	23	30	III		
28	f	Celsus	15	15	29	1	5	23	15	III		
29	g	7 aft. Trin.	16	13	13	2	4	1	27	7	II	
30	a	Abdon	17	11	27	30	5	28	48	III		
31	b	Ignarius	18	8	12	5	15					

JULY 1677

July, *Julius* so called of *Julius Caesar*, who was born in this moneth, for before it was called *Quintilis*, as being the 5. month from *March* from whence the ancient Romans used to begin the order of their Months. The *Saxons* called this month *Heumonath*, or *Hëymonath*, because of their Hey Harvest this month.

G	3	57	8	3	12	28	Orion's Girdle rises Cosmically	10
2	3	57	8	3	11	20		12
3	3	58	8	2	2	11		13
4	3	59	8	1	3	0	The Scorpions Thigh, and Ventr	14
5	4	08	8	0	3	4	Day 16 hours long	15
6	4	27	7	58	4	36	eyes heart are S. at midn.	16
7	4	37	7	57	5	24		17
G	4	57	7	55	6	12		18
9	4	67	7	54	7	0	Day shortend 38 m.	19
10	4	87	7	52	7	48		20
11	4	97	7	51	8	36		21
12	4	117	7	49	9	24	☉ Rises NE by E. Sets N by W	22
13	4	127	7	48	10	12	and, is East 9 min. after 7, and	23
14	4	137	7	47	11	0	West 51 min. after 4.	24
G	4	147	7	46	11	48		25
16	4	157	7	45	12	36	Day 15 hours and half long.	26
17	4	167	7	44	1	24		27
18	4	177	7	43	2	12	The Swans Tail, and the Dolphins	28
19	4	187	7	42	3	0	Head both South at 12	29
20	4	207	7	40	3	53	Day breaks 45 m. after midn.	30
21	4	217	7	39	4	45		31
G	4	237	7	37	5	35	Twylight ends a quarter after 11.	32
23	4	257	7	35	6	26		33
24	4	277	7	33	7	18	Day shortend 1 hour 30 m.	34
25	4	297	7	31	8	10		35
26	4	307	7	30	9	2	Day 15 hours long	36
27	4	327	7	28	9	51		37
28	4	347	7	26	10	45		38
G	4	367	7	24	11	37		39
30	4	377	7	23	12	28	The great D. g rises cosmically.	40
31		387	7	22	1	20		41

August hath xxxi dayes.

- Full moon the 2 day, 18 m. after 9 at night.
- Last quarter the 10 day 22 m. past 4 in the morning.
- New moon the 18 day, 3 min. after 7 in the morning.
- First quarter the 25 day, 12 m. past 4 in the afternoon.
- Full moon the 31 day, 22 m. after 6 at night.

Take heed of sursets, inflaming meats and spices,
Physick for bear, be wise in exercises.

1	c	Lammas d.	19	16	27	v	16	h	8	52	II	Some
2	d	Stephen	20	3	12	m	23	u	12	44	m	wind and
3	e	Invent. St.	21	1	27	27	27	27		3	m	cool
4	f	Dominick	22	59	12	x	15	24		31	m	but
5	g	8 after Til.	23	30	28	39	29			1	u	good har-
6	a	Trans. chri.	23	54	10	v	35	h	9	12	II	vest weather
7	b	Donatus	24	52	23	59	u	22		4	m	
8	c	Largus	25	49	6	56	6	0		15	u	
9	d	Romanus	26	47	19	28	2	10		41	m	faire wet
10	e	Lawrence	27	45	1	II	41	u	17	20	u	with high
11	f	Gilbert	28	43	13	41	h	9		30	II	
12	g	9 aft. Trin.	29	41	25	34	u	21		25	m	wind
13	a	Hypolitus	30	39	7	21	2	3		28	u	
14	b	Eusebius	1	36	19	13	2	16		52	m	about this
15	c	Assump. M.	2	34	1	u	8	27		14	u	time
16	d	Rochus	3	32	13	10	h	9		45	II	
17	e	Tho. of Her	4	30	25	22	u	20		47	m	
18	f	Helena	5	28	7	u	44	6		41	u	good wea-
19	g	10 aft. Trin.	6	27	20	18	2	23		2	m	ther
20	a	Bernard	7	25	3	1	u	7		6	m	
21	b	Richard	8	23	15	54	h	9		58	II	and
22	c	Timothy	9	21	28	59	u	20		11	m	
23	d	Zacheus	10	19	12	m	13	2		52	u	peasant, and
24	e	S. Barthol.	11	17	24	40	2	29		12	m	no alteration
25	f	Lodoricus	12	16	9	2	19	2		35	m	to the end
26	g	11 aft. Tr.	13	14	23	19	h	10		8	II	of the
27	a	Dog da. end	14	12	7	u	24	u		37	m	monib.
28	b	Augustine	15	11	21	48	2	13		15	u	
29	c	Decol. J.B.	16	9	6	u	19	2		22	u	
30	d	Felix	17	7	21	11	u	25		35	m	
31	e	Adrian	18	6	5	54						

AUGUST 1677.

August taketh the name of *Augustus Caesar*, who in this month begun his Consulship, brought three Triumphs into the City, and put an end to the Civil Wars; before this time it was called *Sexsilis*, as being the sixth month from *March*. The *Saxons* called it *Arn-monat*, or Harvest Month.

1	4	39 7	21	2	11		11	f
2	4	40 7	20	3	0	Pegasus Mouth South at 12	12	g
3	4	43 7	17	3	48		13	a
4	4	44 7	16	4	36	Day 14 hours and a half long	14	b
5	4	46 7	14	5	24	Day breaks 25 m. aft. 9	15	c
6	4	48 7	12	6	12	Twy light ends 45 m. aft. 9	16	d
7	4	50 7	10	7	0	☉ rises ENE, sets WNW.	17	e
8	4	52 7	8	7	48		18	f
9	4	54 7	6	8	36	Day shortened a h. 14 min.	19	g
10	4	56 7	4	9	24		20	a
11	4	58 7	2	10	12		21	b
12	4	59 7	1	11	0	Day 14 hours long	22	c
13	5	1 6	59	11	48		23	d
14	5	3 6	57	12	36		24	e
15	5	5 6	55	1	24	Day breaks 46 m. aft. 2	25	f
16	5	6 6	54	2	12	Twy-light ends 13 m. aft. 9	26	g
17	5	8 6	53	3	0		27	a
18	5	10 6	50	3	52		28	b
19	5	12 6	48	4	43	The ☉ will be due East 32 m. after	29	c
20	5	14 6	46	5	35	Day 13 hours and half long	30	d
21	5	16 6	44	5	26	6. and due West 28 m. after 6	31	e
22	5	18 6	42	7	18		32	f
23	5	20 6	40	8	10	Pegasus Shoulder South at 12.	33	g
24	5	22 6	38	9	2	Day shortened 3 hours 10 min.	34	a
25	5	24 6	36	9	53	☉ rises E by N. sets West by N.	35	b
26	5	26 6	34	10	45		36	c
27	5	28 6	32	11	37	Day 13 hours long.	37	d
28	5	30 6	30	12	28		38	e
29	5	31 6	29	1	20	The ☉ is due East 16 m. after	39	f
30	5	33 6	27	2	11	6. and West 44 m. after 5	40	g
31	5	35 6	25	3	0		41	a

September hath XXX. dayes.

- ☾ Late quarter the 8 day, a quarter after 9 at night.
- ☾ New moon the 16 day, a quarter after 9 at night.
- ☾ First quarter the 23 day, at Midnight.
- ☾ Full moon the 30 day, 3 quarters after 8 at night.

Now Physick may be us'd, bleed, bathe and purge.
Or what so e're necessity doth urge.

1	f	Giles Abbot	19	m	4	20	X	28	h	10	17	II	
2	g	London burnt	20		3	4	V	44	h	19	1	III	Δ h g
3	a	anno 1666	21		2	18		34	h	17	13	II	Some rain
4	b	Trans. Ourh.	22		1	2	X	22	h	12	46	II	at the,
5	c	Vicorinus	22		59	15		1	h	5	46	II	beginning
6	d	Magnus	23		57	27		35	h	10	21	II	of the month
7	e	Trans. Dunst.	24		56	9	II	50	h	18	35	III	δ h C
8	f	Nat V. Mary	25		55	11		52	h	20	34	II	variable
9	g	13 aft. Trin.	26		54	3	III	43	h	18	56	II	
10	a	Nicholas	27		52	15		33	h	13	47	III	some
11	b	Piotus	28		51	27		25	h	10	23	II	wind
12	c	Eanwide	29		50	9	II	21	h	18	13	III	
13	d	Amanris	0		49	21		29	h	23	55	II	δ δ g
14	e	Exalt. Crucis	1		48	3	III	44	h	25	6	II	good weath.
15	f	Nicomedes	2		47	16		17	h	21	24	III	and warm
16	g	14 aft. Trin	3		46	29		4	h	10	22	II	for the season
17	a	Socrates	4		45	12	II	8	h	17	55	III	of the year
18	b	Tra. Winock	5		44	25		23	h	27	18	II	δ δ C
19	c	Ember Week	6		43	8	m	50	h	1	15	m	δ δ C
20	d	Fausta	7		42	22		126	h	28	30	II	δ δ g
21	e	S. Matthew	8		42	6	II	10	h	10	18	II	high wind
22	f	Maurice.	9		41	20		3	h	17	42	III	about this
23	g	15 aft. Trin	10		40	4	III	1	h	0	43	m	time, but
24	a	Winibald	11		40	18		16	h	0	25	m	nary the
25	b	Ceolfride	12		39	2	III	37	h	5	26	m	end of the
26	c	Iuliana	13		38	16		32	h	10	11	II	δ II C
27	d	Col. & Dam.	14		38	0	X	33	h	17	34	III	month
28	e	Lioba	15		37	15		4	h	4	9	m	pleasant
29	f	S. Michael	16		36	29		10	h	13	34	m	Δ g wea.
30	g	6 aft. Trin.	17		35	13	V	3	h	10	45	III	ther.

SEPTEMBER 1677.

September, so called as being the seventh Month inclusive from March. The Saxons called this Month *Gorft-monat*, that is, Barley month, of their Barley harvest in this Moneth.

G	5	37	6	23	3	45	Day breaks 42. m af. 3 morn.	11	b
	6	40	6	20	4	30	Twilight ends 18 m. af. 8 at nig.	12	a
	3	42	6	18	5	15		13	d
	4	44	6	16	6		Day 12 hours and a half long.	14	e
	5	45	6	15	6	45		15	f
	6	47	6	13	7	30	Day shortened 4 hours,	16	g
	7	49	6	11	8	15		17	a
	8	50	6	10	9	0	Andromeda's Head, and Cassiopeas	18	b
G	5	51	6	9	9	45	Chair both S. at 12.	19	c
	10	53	6	7	10	30		20	d
	11	55	6	5	11	15		21	e
	12	58	6	2	12	0	Sun rises exactly East, and	22	f
	13	0	6	0	12	45	Equal day and night 12 hours.	23	g
	14	2	5	58	1	30	Sun sets due West	24	a
	15	4	5	56	2	15		25	b
G	6	6	5	54	3	0	Day breaks 8 m. af. 4 in the mor.	26	c
	17	8	5	52	3	52	Twilight ends 52 m. af. 7 at nig.	27	d
	18	10	5	50	4	43	Day shortened 4 hours and half	28	e
	19	12	5	48	5	35		29	f
	20	14	5	46	6	26		30	g
	21	16	5	44	7	18	Day 11 hours and half long.	1	a
	22	18	5	42	8	10		2	b
G	5	20	5	40	9	2		3	c
	24	22	5	38	9	53	Day breaks 50 m. af. 4 in the mor.	4	d
	25	24	5	36	10	45	Twilight ends 30 m. af. 7 at nig.	5	e
	26	26	5	34	11	37	Andromeda's Should. South at 12	6	f
	27	28	5	32	12	28		7	g
	28	30	5	30	1	20	Day 11 hours long.	8	a
	29	32	5	28	2	11		9	b
G	6	34	5	26	3	2	Cassiopeas Knee South at 12.	10	c

October hath xxxi. dayes.

- ☾ Last quater the 8 day, 37. m. past 4 in the afternoon.
- ☾ New moon the 16 day, at 11 in the forenoon.
- ☾ First quater the 23 day, 51 m. past 5 in the morning.
- ☾ Full moon the 30 day, 49 m. past 10 in the forenoon.

Now Physicks help do not refuse
If thou it, want and warily canst use.

1	a	Remigius	18	30	26	V	49	h	10	2	II	Milde and
2	b	Tho. Becket.	19	35	9	♄	54	h	17	30	☾	☾
3	c	Gerrard	20	35	22	50	♂	7	36	m	☾	temperate
4	d	Francis	21	35	5	II	25	♂	19	43	m	☾
5	e	Placidus	22	35	17	43	♀	17	17	m	☾	☾
6	f	Bruno	23	34	29	46	h	9	50	II	☾	☾
7	☾	17 aft. Trin.	24	34	11	♄	40	h	17	32	☾	high wind
8	a	Demetrius	25	34	21	39	♂	11	5	m	☾	ind wet
9	b	Dennis	26	34	5	♄	20	♀	25	52	m	☾
10	c	Paulin B.	27	34	17	16	♀	21	45	m	☾	☾
11	d	Nicasius	28	34	29	22	h	9	35	II	☾	better
12	e	Willfride	29	34	11	♄	41	h	17	40	☾	weather
13	f	Edward	30	34	24	20	♂	14	36	m	☾	about
14	☾	18 aft. Trin.	1	34	7	♄	18	♀	2	1	7	this time
15	a	Teresa V.	2	34	20	35	♀	24	32	m	☾	☾
16	b	Lullus	3	34	4	m	11	h	9	19	II	☾
17	c	Andrew V.	4	34	18	1	h	17	52	☾	☾	☾
18	d	S. Luke	5	34	2	7	♂	18	8	m	☾	☾
19	e	Fridiswide	6	34	16	19	♀	8	9	2	☾	☾
20	f	Windelin	7	34	0	V	36	♀	24	5	m	☾
21	☾	19 aft. Trin.	8	35	14	33	h	9	0	II	☾	tempestuous
22	a	Cordula V.	9	35	29	7	h	18	9	☾	☾	cola and
23	b	Term begins	10	35	13	☾	15	♂	21	41	m	☾
24	c	Megloie	11	36	27	17	♀	14	17	7	☾	☾
25	d	Firminus	12	36	11	X	12	h	20	1	m	stormy
26	e	Evaistus	13	37	25	1	h	8	40	II	☾	☾
27	f	Ive. Con.	14	37	8	V	38	h	18	30	☾	more milde
28	☾	S. Sim & Jude	15	37	21	8	♂	25	16	m	☾	☾ and
29	a	Eadfine	16	38	5	♄	14	♀	20	24	☾	temperate
30	b	Agelnoth	17	39	18	12	h	13	28	m	☾	Eclipsed
31	c	Folland	18	39	0	II	55	☾				

OCTOBER 1677.

October so called, as being the eighth Month from *March*. The *Saxons* called it *Win-monat*, that is, *Win-Month*, because this Month they had Wines brought them out of other Countries.

1	6	36	5	24	3	45	Day breaks at 47 m. aft. 4 Morn.	11	d
2	6	38	5	22	4	30	Twy-lights end. 13 m. aft. 7 N.	12	e
3	6	40	5	20	5	15		13	f
4	6	42	5	18	6	0	Day shortned 5 h. 50 min.	14	g
5	6	44	5	16	6	45		15	a
6	6	46	5	14	7	30	Day 10 hours and half long.	16	b
7	6	48	5	12	8	15		17	c
8	6	50	5	10	9	0		18	d
9	6	52	5	8	9	45	The Rams born South at 12	19	e
10	6	54	5	6	10	30		20	f
11	6	56	5	4	11	15	Day shortned 6 hours 18 min.	21	g
12	6	58	5	2	12	0	The Rams head South at 12	22	a
13	7	0	5	0	12	45	Day 10 hours long.	23	b
14	7	2	4	58	1	30		24	c
15	7	4	4	56	2	15	Day breaks 5 m. aft. 5 Morn.	25	d
16	7	6	4	54	3	0	Twy light ends 55 m. after 6 N.	26	e
17	7	8	4	52	3	52		27	f
18	7	10	4	50	4	43	Day shortned 6 hours 46 min.	28	g
19	7	12	4	48	5	35	Sun Rises E.S.E. Sets W.S.W.	29	a
20	7	14	4	46	6	26		30	b
21	7	16	4	44	7	18	Day 9 hours and a half long.	31	c
22	7	18	4	42	8	10			d
23	7	19	4	41	9	2		2	e
24	7	20	4	40	9	53		3	f
25	7	22	4	38	10	45	The 7 Stars rise Achronically	4	g
26	7	24	4	36	11	37	Day shortned 7 h. and a quarter	5	a
27	7	26	4	34	12	28	The whales jaw, and Medusae	6	b
28	7	28	4	32	1	20	head are both S. at 12.	7	c
29	7	30	4	30	2	11	Day 9 hours long.	8	d
30	7	32	4	28	3	30		9	e
31	7	34	4	27	3	0	Perseus right side S. at 12.	10	f

November hath xxx. dayes.

- ☾ Last quarter the 7 day, 23 min. after high noon.
- ☉ New moon the 14 day, 5 m. past 11 at night.
- ☾ First quarter the 21 day, 12 m. past 2 in the afternoon.
- ☉ Full moon the 29 day, 3 quarters after 2 in the morning.

Choose hot and wholesome drinks, and meats likewise;
Avoid hot Baths, use honest exercise.

1	d	All Saints	19	m	40	18	II	53	h	8	13	II	♂	♂	♂
2	e	All Souls	20		40	28		37	u	19	2	III	seasonable		
3	f	Winefride	21		41	17	♂	40	♂	29	35	m	good weath		
4	♂	21 aft. Tri.	22		42	19		37	♀	27	44	2	with frosty		
5	a	Bowd. Pl.	23		42	1	♂	28	♀	8	37	m	mornings		
6	b	Severus	24		43	12		20	h	7	50	II	all the forme		
7	c	Wildebr.	25		44	25		14	u	19	33	III	part of the		
8	d	Claudius	26		45	7	m	19	♂	3	13	2	moneth		
9	e	Theodorus	27		45	19		36	♀	3	50	v	till the 12		
10	f	Triphon	28		46	2	♂	12	v	9	40	m	13 dayes		
11	♂	21 aft. Tri	29		47	15		10	h	7	26	II			
12	♂	Martine	0		48	28	m	33	u	20	9	III	♂	♂	♂
13	a	Kilianus	1		49	12		19	♂	6	51	2	♂	♂	♂
14	b	Lawrence	2		50	26		28	♀	9	56	v	♂	♂	♂
15	c	Leopaldus	3		51	10	2	58	♀	14	2	m	♂	♂	♂
16	d	Edmond	4		52	23		40	h	7	1	II	stee or		
17	e	Rhaumar.	5		53	10	v	25	u	20	47	III	♂	♂	♂
18	♂	22 aft Tri.	6		54	25		40	♂	10	32	2	♂	♂	♂
19	a	Pontianus	7		55	9	III	44	♀	16	1	v	rain about		
20	b	Edmond	8		56	24		4	v	20	11	m	♂	♂	♂
21	c	Oblar. Ma.	9		57	8	♂	8	h	6	36	II	♂	♂	♂
22	d	Cecilia V.	10		58	21		54	u	21	31	III	♂	♂	♂
23	e	Clement P	11		59	5	v	25	♂	14	13	2	high winds		
24	f	Chryfogor	12		0	18		40	v	22	3	v	with snow		
25	♂	24 aft. Tri.	13		2	2	♂	42	♀	27	11	m	or co'd rain		
26	a	Pet B. Alex	14		3	14		30	h	6	12	II	towards the		
27	b	Oda. Vir.	15		4	27		6	u	21	17	III	end of the		
28	c	Term end	16		5	9	II	31	♂	17	56	2	♂	♂	♂
29	d	Saturn	17		6	21		48	♀	28	4	v	♂	♂	♂
30	e	S. Andr. A.	18		7	3	♂	56	u	4	32	2	moneth.		

NOVEMBER 1677

November So called as being the ninth Moneth from March. The Saxons called it *Wint-monat*, that is *Winde month*, because of the blustering winds which usually rise in this month.

1	7	34	4	26	3	52	D. y breaks 37 m. af. 5 in the mor.	11	g
2	7	36	4	24	4	43	Twilight ends 23 m. af. 6 at night	12	a
3	7	38	4	22	5	35	Day shortened 7 h. 44 m.	13	b
4	7	39	4	21	6	26		14	c
5	7	40	4	20	7	18	The great Dog sets cosmically	15	d
6	7	42	4	18	8	10		16	e
7	7	43	4	17	9	2	Perseus Foot South at 12.	17	f
8	7	45	4	15	9	53	Day 8 hour and a half long.	18	g
9	7	46	4	14	10	49		19	a
10	7	48	4	12	11	37	Day shortened 8. h. 1. m.	20	b
11	7	49	4	11	12	28	☉ Rises S. E. by E. & sets S. W. by W.	21	c
12	7	50	4	10	1	20	The seven stars sets Cosmically.	22	d
13	7	52	4	8	2	11	The Bulls eye sets Cosmically.	23	e
14	7	53	4	7	3	0	No absolute day but all Twilight.	24	f
15	7	55	4	5	3	48	Twilight ends 13 m. af. 6 at Ni.	25	g
16	7	56	4	4	4	36		26	a
17	7	57	4	3	5	24		27	b
18	7	58	4	2	6	12		28	c
19	7	59	4	1	7	0		29	d
20	8	0	4	0	7	48	Day 8 hour long	30	e
21	8	1	3	59	8	36	The Bulls eye Rises Astronically	Dec	
22	8	2	3	58	9	24		1	g
23	8	3	3	57	10	12	Day shortened 8 h. 54 m.	2	a
24	8	4	3	56	11	0		3	b
25	8	5	3	55	12	48		4	c
26	8	6	3	54	12	36		5	d
27	8	6	3	54	1	24	Orions foot S. at 12	6	e
28	8	7	3	53	2	12		7	f
29	8	8	3	52	3	0	Orions shoulder. S. at 12	8	g
30	8	9	3	51	3	48		9	a

December hath xxxi dayes.

- ☾ Last quarter the 7 day, at 4 in the morning.
- New moon the 14 day, 8 m. past 10 in the Forenoon.
- ☾ First quarter the 21 day, 23 m. past 1 in the morning.
- Full moon the 28 day, 36 m. past 10 at night.

*To keep thy self in action thou mayest play
At Cards or Dice, but not thy State away.*

1	f	Daniel	20	2	9	15	50	h	5	47	II	☉☉☉
2	●	Adven. Sun	21	10	27	51	h	23	7	☉☉☉		
3	a	Weddi. Ou	22	11	2	46	d	21	40	☉	☉☉☉	Pleasant an
4	b	Barbara	23	12	21	38	2	4	5	☉☉☉	frosty wea-	
5	c	Sabbas	24	13	3	34	g	12	5	☉☉☉	☉☉☉	ther with
6	d	Nicholaus	25	14	15	38	h	5	24	II	☉☉☉	wind and
7	e	Ambrose	26	16	27	52	h	23	59	☉☉☉	☉☉☉	show
8	f	Conc. Ma	27	17	10	23	d	25	26	☉☉☉	☉☉☉	following
9	●	1 in Adven	28	19	23	14	g	10	3	☉☉☉	☉☉☉	soon after
10	a	Melchisedec	29	20	6	31	g	19	44	☉☉☉	☉☉☉	
11	b	Damascus	30	21	20	16	h	5	2	II	☉☉☉	seasonable
12	c	Elfrede	1	23	4	29	h	24	55	☉☉☉	☉☉☉	weather
13	d	Lucia V.	2	24	19	7	g	29	12	☉☉☉	☉☉☉	inclining
14	e	Mimborm	3	25	4	6	g	16	0	☉☉☉	☉☉☉	
15	f	Hilda	4	27	19	17	g	27	30	☉☉☉	☉☉☉	to frost
16	●	3 in Adv.	5	28	4	25	h	4	42	II	☉☉☉	sharp and
17	a	Lazarus	6	29	19	25	h	25	52	☉☉☉	☉☉☉	
18	b	Winibald	7	30	4	5	g	3	0	☉☉☉	☉☉☉	
19	c	Ember w.	8	32	18	22	g	21	52	☉☉☉	☉☉☉	
20	d	Julius	9	33	2	14	g	5	21	☉☉☉	☉☉☉	rising
21	e	S. Tho. Ap.	10	34	15	40	h	4	24	II	☉☉☉	weather.
22	f	Mildelide	11	36	28	45	h	26	53	☉☉☉	☉☉☉	high mind
23	●	4 in Alven	12	37	11	32	g	6	48	☉☉☉	☉☉☉	
24	a	Adam & Ev	13	38	24	3	g	27	42	☉☉☉	☉☉☉	with snow
25	b	Christ. nat.	14	40	6	II	g	13	21	☉☉☉	☉☉☉	
26	c	S. Stephen	15	41	18	35	h	4	7	II	☉☉☉	or cold
27	d	S. John Ev.	16	42	0	40	h	27	55	☉☉☉	☉☉☉	
28	e	Innocents	17	44	12	39	g	10	38	☉☉☉	☉☉☉	rain
29	f	Tho. Cant.	18	45	24	37	g	3	29	☉☉☉	☉☉☉	
30	●	Eustach	19	46	6	31	g	21	60	☉☉☉	☉☉☉	
31	a	Sylvester	20	47	18	27						

DECEMBER 1677.

December, So called as being the tenth Month from *March*. The Saxons at first called it *Winter-monat*; that is, Winter month, but after they received the Christian Faith, they called it *Heligh-monat*, that is Holy Month, because of the holy Feast of *Christsmas* in this month.

1	8	10	3	50	4	36	First * in Orions Girdle S. at 12	21	b
2	8	11	3	49	5	24	Twilight ends at 6 at night.	12	C
3	8	12	3	48	6	12	Day shortened 8 h. 48 m.	13	d
4	8	12	3	48	7	0		14	e
5	8	13	3	47	7	48	Wagons Shoulder S. 12	15	f
6	8	13	3	47	8	36	Orions right Shoulder S. 12	16	g
7	8	13	3	47	9	24	— Of mirth now take thy fill,	17	a
8	8	13	3	47	10	12	For mirth with measure can produce	18	b
9	8	13	3	47	11	0	no ill.	19	c
10	8	13	3	47	11	48	Day shortened 8 h. 52 m.	20	d
11	8	13	3	47	12	36	Shortest day 7 h. 34 m. long.	21	e
12	8	13	3	47	1	24	Toe ☉ rises S.E. half a Point Ea-	22	f
13	8	13	3	47	2	12	sterly, and sets S. W. half a Point	23	g
14	8	13	3	47	3	0	sterly, having amplitude from	24	a
15	8	13	3	47	3	52	the East and West southerly 40	25	b
16	8	13	3	47	4	43	degrees, his meridian altitude	26	C
17	8	12	3	48	5	35	being only 15 degrees, and so	27	d
18	8	12	3	49	6	26	the reflex of his beams can yield	28	e
19	8	10	3	50	7	18	but little heat to the inhabitants	29	f
20	8	9	3	51	8	10	of these northern climates.	30	g
21	8	8	3	52	9	2		31	a
22	8	7	3	53	9	53		16	77
23	8	6	3	54	10	45	Feast not the rich ones,	2	C
24	8	5	3	55	11	37	but thy Neighbours poor	3	d
25	8	5	3	55	12	28	So God will blisse thee and	4	e
26	8	4	3	56	1	20	increase thy store.	5	f
27	8	4	3	56	2	11	Day lengthened 18 min.	6	g
28	8	3	3	57	3	0	Castor South at 12 a clock	7	a
29	8	3	3	57	3	48		8	b
30	8	2	3	58	4	36	Little Dog South at 12	9	C
31	8	2	3	58	5	24	Great Dog south at 12.	10	d

The Dominion of the Moon in Mans Body passing under the 12 Zodiacal Constellations;



- V The eager Ram rules both the Head and Faces.
 T The Neck and Throat is fulten Taurus's place.
 II Resembling Twins the Arms and Shoulders guide,
 C The slow-pac'd Crab the breast, the spleen, and side.
 L The Heart and Back's the gen'rous Lion's share.
 M The Bashful Maid of Belly and Bow'ls takes care.
 S To the just Ballance Reins and Loyns belong,
 SC The Secret's govern'd by the Scorpion.
 A The ivory Thighs the Archer doth affect;
 V The Goat our complemental Knees protect.
 EQ The nimble Legs t'Aquarius lot doth fall;
 P The active Feet to Pilces, and there's all.

Thus doth the virtue of these Signs superiour;
 Rule o're the bodies of poor Wights inferiour;
 But both are govern'd by God's soveraign might,
 He's happy then who understands them right,

Sapiens dominabitur Astris.

BOWKER, 1677.

The Second Part of the

KALENDER:

Containing the

Four Quarters of the Year,

AND THE

ECLIPSES,

Table of Simple and Compound Interest
for the Purchase of Leases, Rents or Annuities, for
the Gauging of Wine or Ale Vessels, with
all their Uses illustrated by Examples.

ALSO

Rules and Directions to find the Rising,
Southing and Setting of the Moon, and to find
the hour of the Day and Night.

By JAMES BOWKER, Astroph.

Ovid. Met.

Os homine sublime dedit Cælumq; videre,

Iussitq; erectos ad Sydera tollere vultus.

God gave to man an upright Face, that he

Might view the Stars, and learn Astronomy.

London, Printed by W. L. and T. J. for the
Company of STATIONERS, 1677.

Advertisements to the Reader.

T Here is now in the Press, and ready to be published, a Second Part of the Use of the Line of Proportion, or Numbers, (commonly called *Gunter's Line*) made easie; with the addition of several other Proportional Lines, which may conveniently be put upon a *Two-foot Rule*, and the Uses of them exemplified in the Solution of Problems: In

<i>Arithmetick,</i>		<i>Geography,</i>
<i>Geometry,</i>		<i>Navigation,</i>
<i>Trigonometry,</i>		<i>Dialling,</i>
<i>Astronomy,</i>		<i>Military Orders;</i>

And to several other purposes, and to the casting up of Workmens Accounts, whether for Materials, Workmanship, or Rates.

By *William Leybourn*, Philom.

To which is added a *Supplement*, containing the Description and some Uses of a convenient *Two-foot Foynt-Rule*.

By *John Brown*.

This I thought good to intimate at the present, and the rather, for that Mr. *Leybourn* hath some other Treatises of greater moment almost ready for the Press; as one of *Navigation*, and others of several parts of the *Mathematicks*.

James Lowker.

Of the four Seasons or Quarters of this Year, 1677.

Of the Spring.

THis Quarter taketh its beginning upon Friday the 9th of March, at 26 min. after 9 of the Clock in the forenoon; at which time the Sun enters into the first scruple of the Vernal Equinoctial Sign *Aries*, making the Days and Nights of equal length all the World over. — The proper nature and quality of this Quarter is hot and moist; hot, in respect of the Suns ascending nearer to the *Zenith* or *Vertex*; and moist, in respect of the Winters Vicinity.

*Now Titans presence begins to revive,
As well things sensible, as vegetive.*

Of the Summer.

This Quarter beginneth upon Trinity Sunday, the 10th of June, at 12 minutes after Midnight, the Sun having then arrived to his greatest or utmost Northern limits, even to his Tropical Point *Cancer*, thereby making the longest Days and shortest Nights to all Northern Inhabitants in the World. — The nature of this Season is hot and dry.

*Now Reapers panting both with heat and pain,
With crooked Razors shave the tufted Plain.*

Of Autumn.

Autumn begins this Year upon Wednesday the 12 of September, at 4 min. after 4 in the Afternoon, the Sun being now returned from his greatest Northern Progress, to his Autumnal Equinoctial Sign *Libra*, making again the Days and Nights to be of equal length. This Quarter is naturally cold and dry.

*Now that good Husband which due season takes
In these three Months his Years Provision makes.*

Of Winter.

Winter begins this Year upon Tuesday the 11th of December, at three quarters of an hour after 3 in the Morning, the Sun being then at his greatest distance from the Equinoctial, Southward, he then enters into *Capricorn*, and makes the Days shortest, and the Nights longest. — This Quarter is naturally cold and moist.

Now for the bringing of these Seasons, and what each of them produce, to your remembrance, take this of *Ovid*:

Bowker, 1677.

Poma dat Autumns, Formosa est messibus Æstas.

Ver prabit Flores; Igne levatur Hyems.

Autum gives Fruit, — and Corn makes Summer fair;

Spring shews us Flowers, — Fire helps cold Winters air.

Of the Eclipses this Year 1677.

THere will be four Eclipses this Year, two of the Sun, and as many of the Moon. Of which four Eclipses, only one of them (and that will be the first of the Moon) will be conspicuous to us that inhabit this British Island, and that Eclipse will be seen but in part neither.

This first Eclipse of the Moon happeneth upon Monday the 7th of May in the morning.

The {	Beginning,	} will be at {	1	hour 55 m.	} in the	
	Middle,		3	25		} Morn-
	Ending,		4	55		

The parts of the Moons Body darkned will be 8 and a quarter, and the whole duration of the Eclipse will be 3 hours. The beginning of this Eclipse may be seen in London, but the end cannot; for the Sun will rise above 3 quarters of an hour before the Eclipse be ended.

The second Eclipse will be of the Sun, on Thursday the 21st of May, about 10 of the Clock in the Forenoon; and although the Sun be above our Horizon at that time, yet in respect of the Moons great Southerly Latitude, this Eclipse cannot be seen of us.

The third Eclipse is of the Moon, on Tuesday the 30 of October, about 10 in the Forenoon, and so not to be seen of us.

The last Eclipse is of the Sun, upon Wednesday the 14 of November, about midnight, and so not to be seen.

And to bring the cause of Eclipses to your remembrance I mind these following Verses.

The Opacous Moon by day obscures the light

Of Splendent Sol, from men on Earth: By Night

The Sun opposeth her, and o're her face

Doth cast a Sable Mantle for a space.

**A Table of Interest for several sums of Money,
at the Rate of Six in the Hundred, for divers
Months and Days, viz.**

	1. Month			2. Month			3. Month			6. Month			12. Month		
	£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.
500	1	10	0	2	0	0	3	10	0	6	0	0	12	0	0
400	0	10	0	1	10	0	2	10	0	5	0	0	10	0	0
300	0	8	0	0	10	0	1	10	0	4	0	0	8	0	0
200	0	6	0	0	8	0	0	10	0	3	0	0	6	0	0
100	0	4	0	0	6	0	0	8	0	2	0	0	4	0	0
90	0	3	6	0	5	6	0	7	6	1	12	0	3	6	0
80	0	3	0	0	5	0	0	6	0	1	8	0	3	0	0
70	0	2	0	0	4	0	0	5	0	1	6	0	2	0	0
60	0	2	0	0	4	0	0	5	0	1	6	0	2	0	0
50	0	1	6	0	3	6	0	4	6	0	12	0	1	6	0
40	0	1	0	0	3	0	0	4	0	0	10	0	1	0	0
30	0	0	6	0	2	6	0	3	6	0	8	0	0	6	0
20	0	0	4	0	2	0	0	3	0	0	6	0	0	4	0
10	0	0	2	0	1	0	0	2	0	0	3	0	0	2	0

	1 Day			2 Days			3 Days			5 Days			10 Days		
	£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.
500	1	8	0	3	4	0	5	0	0	8	4	0	16	8	0
400	0	14	0	5	8	0	4	0	0	13	8	0	27	4	0
300	0	10	0	4	0	0	3	0	0	10	0	0	20	0	0
200	0	8	0	3	0	0	2	0	0	8	0	0	16	0	0
100	0	4	0	1	6	0	1	0	0	4	0	0	8	0	0
90	0	3	6	1	5	6	0	10	12	6	0	3	0	0	0
80	0	3	0	1	5	0	0	9	0	3	0	2	6	0	0
70	0	2	0	1	4	0	0	8	0	1	12	2	3	0	0
60	0	2	0	1	4	0	0	7	0	0	10	2	0	0	0
50	0	1	6	1	3	6	0	6	0	0	10	1	8	0	0

Which Table by Addition, Subtraction, and Multipli-
cation of the Sums, Months, and Days, will shew what is
due for any other sum of Money, for any other number of
Months or Days than are herein expressed, as by ex-
amples shall appear.

Bowker, 1677.

The use of the former Table of Interest.

Example 1. What is the Interest of 70 l. in 2 Months?

Seek 70 l. in the first Column on the left hand, and right against it, under 2 Months; you shall find 0. 14. 0. that is, 0 pounds, 14 shillings, 0 pence; so that 14 s. is the Interest of 70 l. for 2 Months; and in the same manner you may find the Interest of 90 l. for 6 Months to be 2 l. 14 s. of 300 l. for 3 Months to be 4 l. 10 s.

Example 2. What is the Interest of 300 l. for 1 Year, 9 Months, and 15 Days?

	l.	s.	d.
The Interest of 300 l. for 12 Months.	18	0	0
6 Months.	9	0	0
3 Months.	4	10	0
10 Days.	0	10	0
5 Days.	0	5	0

The sum — 32 — 5 — 0

which 32 l. 5 s. is the Interest of 300 l. for one Year, nine Months, and fifteen Days.

Example 3. What is the Interest of 470 l. for 17 Months, and 23 Days?

	l.	s.	d.		l.	s.	d.
The Interest of 400 l. for 12 Months.	24	0	0	For 70 l. 12	4	4	0
3 Months.	6	0	0	12	1	1	0
2 Months.	4	0	0		0	14	0
10 Days.	0	13	4		0	2	3
10 D. yr.	0	13	4		0	2	3
3 Days.	0	4	0		0	0	8

The Sum is — 35 — 10 — 8. 1. 6. 4. 2

which sums { 35 l. 10 s. 8 d. } Added together, make 41 l. 14 s.
 And { 10 d. for the Interest of 470 l.
 for 17 Months and 23 Days.

41 14 10

Banker, 1677.

*A Table for the Purchase of Leases of
Lands, or Houses, ready cast up at
5 l. 6 l. 8 l. and 10 l. Per Cent.
Compound Interest.*

	At V Per		At VI Per		At VIII		At X Per	
	Cent.		Cent.		Per Cent.		Cent.	
	Years	Mon.	Years	Mon.	Years	Mon.	Years	Mon.
	The Value of the Purchase is		The Value of the Purchase is		The Value of the Purchase is		The Value of the Purchase is	
1	0	11	0	11	0	11	0	11
2	1	10	1	10	1	9	1	9
3	2	9	2	8	2	7	2	6
4	3	7	3	6	3	4	3	2
5	4	4	4	3	4	0	3	9
6	5	1	4	11	4	7	4	4
7	5	9	5	7	5	2	4	11
8	6	6	6	2	5	9	5	4
9	7	1	6	10	6	8	5	9
10	7	9	7	4	6	9	6	2
11	8	4	7	11	7	2	6	6
13	9	5	8	10	7	11	7	1
15	10	5	9	9	8	7	7	7
17	11	3	10	6	9	1	8	0
19	12	1	11	2	9	7	8	4
21	12	10	11	9	10	0	8	11
23	13	6	12	4	10	4	9	1
25	14	1	12	9	10	8	9	3
27	14	2	13	3	10	11	9	4
29	15	2	13	7	11	2	9	6
31	15	7	13	11	11	4	9	9
41	17	1	15	1	11	1	9	10
51	18	3	15	9	12	3	9	11
61	18	11	16	2	12	4	10	0
71	19	4	16	5	12	5	10	0
81	19	7	16	6	12	6	10	0
91	19	9	16	7	12	6	10	0
Fee.	20	0	16	8	12	6	10	0

Bowker, 1677.

The use of the foregoing Table, for the Purchase of Leases, &c.

THe Table consists of five Columns; the first contains any number of Years that are to be Purchased, from 1 Year to a 100.

The second tells you how many Years and odd Months Purchase such a Lease is worth in ready Money, 5lb. per Cent, being allowed for the Interest of the Money laid out.

The third Column shews what the same is worth at 6 lb. per Cent; the fourth at 8lb. per Cent; and the last at 10 lb. per Cent.

Example. What is a Lease of 51 Years to come worth in ready Money, at 5lb. per Cent. Also,

Look in the first Column for 51 Years, and right against it under 5 per Cent, you shall find 18. 3. which shews the Lease, is worth 8 Years Purchase, and 3 Months, which is a quarter of a Year. So that if the Rent were 10 l. a Year, then 18 times 10 l. is 180 l. and the quarter of the Year is 2 l. 10 s. in all 182 l. 10 s. and so much is the Lease worth in ready Money, at 5 per Cent. — But if the Purchaser would have 6 l. 8 l. or 10 l. profit for his Money, then:

l.		Year Max.	Purchase	l. s. d.		
At	6	Profit for his Money, the Lease is worth	15 — 9	which	157	10 — 0
	8		2 — 3	comes to	122	10 — 0
	10		9 — 11	but	99	— 3 —

And thus you may do for any other number of Years.

l.		Years.		Months.	
So a Lease for 51 Years at	5	per Cent. is worth	12	10	Purchase,
	6		11	9	
	8		10	0	
	10		8	11	

let the Rent be what it will.

Two Tables for the Gauging of any Vessel, and to find what quantity it containeth either in Ale or Wine Gallons.

Ale measure.

Wine measure.

Inches.	Inches.	Inches.	Inches.
10.001	310.89	10.001	311.089
20.004	20.951	20.001	321.160
30.008	331.011	30.010	331.234
40.015	31.010	40.016	341.310
50.023	351.137	50.028	351.388
60.032	361.203	60.041	361.469
70.045	371.271	70.056	371.551
80.059	381.341	80.072	381.636
90.075	391.41	90.102	391.724
100.093	401.483	100.113	401.813
110.112	411.561	110.137	411.904
120.134	421.638	120.163	421.000
130.157	431.717	130.192	431.096
140.182	441.797	140.221	441.194
150.208	451.880	150.255	451.295
160.238	461.965	160.296	461.398
170.264	472.051	170.318	471.504
180.311	482.139	180.367	481.611
190.335	492.219	190.409	491.721
200.371	502.321	200.453	501.833
210.409	511.410	210.500	511.948
220.450	521.510	220.548	521.065
230.491	531.608	230.600	531.184
240.535	541.707	240.653	541.305
250.580	551.808	250.708	551.428
260.628	561.91	260.763	561.554
270.677	571.010	270.826	571.682
280.728	581.12	280.888	581.813
290.781	591.23	290.933	591.945
300.836	601.34	301.020	601.080

Bowker, 1677.

The use of the two foregoing Tables for Gauging of Vessels.

IF you would know what quantity of Gallons any Vessel doth contain, either in Wine or Ale-Gallons, you must first take the Diameter of the Head of the Vessel, and also the Diameter at the Bung in the inside of the Vessel, both in Inches; then look for the Inches of the Diameter at the Bung in the first Column, and the number that you find against them, set down twice; then look for the number of Inches at the Head, and the number against them set down once; then add these three numbers together, and multiply the sum of them by the number of Inches in the length of the Vessel, and cutting off 3 figure towards the right hand, those figures to the left hand shall be Gallons, and the 3 figures towards the right hand shall be parts of a Gallon, either of Ale or Wine measure, according to the Table from which you took your numbers.

Example.

Let there be a Cask or Vessel whose Diameter at the Bung is 26 Inches; the Diameter at the Head is 17 Inches, and the Vessel length is 41 Inches, and it is required to find how many Gallons each of Ale and Wine is contained therein.

	Ale.	Wine.
Diameter at the Bung 26 inches—	0. 628	0. 756
the same again—	0. 628	0. 756
The Diameter at the Head 17 inches—	0. 264	0. 328
Their sum—	1. 520	1. 840
Multiply by 41 the Length of the Vessel —	41	41
	1. 520	1. 840
	60. 80	74. 40
The Content of the Vessel in Gall.	62. 320	76. 260
	Ale.	Wine.

Bowker, 1677.

AND thus by the work, you may see that such a Vessel whose Diameter at Bung is 26 inches, at the Head 17 Inches, and is in length 41 Inches, doth contain of Ale measure 62 Gallons, and 320 thousand parts of a Gallon, and of Wine measure it containeth 76 Gallons, and 260 thousand parts of a Gallon. For these thousand parts of a Gallon, you are to note

That	125 is one Pint	And according to this Rule, and the Table, you shall find that a Vessel, whose Diameter at the Bung is 32 Inches, at the head 25 Inches, and is 55 Inches long, will contain,
	250 is a Quart	
	375 is 3 Pints	
	500 is a Pottle	
	625 is 5 Pints	
	750 is 3 Quarts	
	875 is 7 Pints.	

Of { Ale 136 Gallons, and a small matter more than a Pottle.
 Wine 166 Gallons, and above 3 Pints, but not a Pottle.

As by the work underneath you may see.

Diameter at the Bung 32 in	0. 901	1. 160
the same again	0 951	1. 100
Diameter at the Head	0. 590	0. 708
<hr/>		<hr/>
Their sum	2. 482	3. 028
Multiply by the Vessels length 55 in	55	55
<hr/>		<hr/>
	12410	1510
	12410	15140
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	136510	166540

Bowker, 1677.

IN my Almanack for some years past, as in that for *Ann* 1674. I inserted Tables for the exact finding of the time of the Moon, Planets, and Fixed Stars, Rising, Southing, and Setting; but those Rules being above the capacity of the Vulgar, I will insert some others (although not so exact as the former, yet) more plain and easie: viz.

A Table shewing the quantity of the Moons shining, with the time of her coming to the South, for the ready finding of her Rising, Setting, and the hour of the Night.

The Moons Age for her Shining.		The Moon Shining.		The Moons Age for her Southing.		The Moon comes to the South at.	
Days		h.	m.	Days		h.	m.
1	29	12	48	1	16	0	48
2	28	1	36	2	17	1	36
3	27	2	24	3	18	2	24
4	26	3	12	4	19	3	12
5	25	4	0	5	20	4	0
6	24	4	48	6	21	4	48
7	23	5	36	7	22	5	36
8	22	6	24	8	23	6	24
9	21	7	12	9	24	7	12
10	20	8	0	10	25	8	0
11	19	8	48	11	25	8	48
12	18	9	36	12	27	9	36
13	17	10	24	13	28	10	24
14	16	11	12	14	29	11	12
15	15	12	0	15	30	12	0

Th^c



The use of the foregoing TABLE.

I. *To find how long the Moon shineth.*

Find the Moons Age in the first Column of this Table towards the left hand, and in the second Column you shall have the hours and minutes that the Moon will shine that Night or Morning.

Note, That there is a Table that shews the Moons Age for every day of the Year, at the beginning of this Almanack.

Example.

Upon the 27 of May, I would know how long the Moon doth shine? Look in the Table of the Moons Age, at the beginning of the Almanack for the 27 of May, and there you shall find that the Moon is 6 days old. Therefore

Find 6 the Moons Age in the first Column of this Table, and against it in the second Column you shall find 4 hours 48 min. and so long doth the Moon shine.

II. *To find at what hour the Moon comes to the South.*

Enter this Table with the Moons Age in the third Column, and in the fourth Column you shall have the hour and minute that the Moon will be upon the Meridian, or South Point.

Example

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Example.

Upon the 5 of *January*, the Moon being then 12 days old, I would know at what time she would be full *South*,—— I look for 10, the Moons Age in the third Column of the Table, and right against it in the fourth Column, I find 9. 36, which is 9 of the Clock, and 36 min. past; so that the Moon will be full *South* at 36 min. after 9 of the Clock, when she is 12 days old.—— Also when the Moon is 20 days old, she will be *South* at 4 of the Clock in the morning.

Here note, that all the time that the Moon is less than 15 days old, she comes to the *South* before 12 at night; and when she is above 15 days old, she comes not to the *South* till after 12 at night, or the next morning.

III. *To find the time of the Moons Rising and Setting.*

I. *For the Moons Rising.*

IF the Moon increase, that is, if the Moon be less than 15 days old, add the hours and minutes of the Moons shining, to the hours and minutes of the Suns Rising that day, and that shall give you the time of the Moons Rising.—— But if the Moon decrease (or be above 15 days old) then you must take the quantity of the Moons shining from the time of the Suns Rising, (adding 12 hours if needs be) and the remainder shall be the time of the Moons Rising.

Example 1.

Upon the 5 of *January* the Moon is 12 days old, and so you find that she shineth 9 hours 36 min. And upon the 5 of *January* the Sun rises (as you may see in the *Almanack*) at 7 hours 56 min. these two added together, make 17 hours 32 min. from whence take 12 hours, and the remainder will be 5 hours, and 36 min. at which time the Moon will rise upon the 5 of *January*, she being then 12 days old.

January

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	h.	m.
<i>January</i> 5 the Sun rises	7	56
Moon 12 days old she shines	9	36

These added	17	32
Substraſt	12	00

The time of the Moons Riſing	5	32
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Example 2.

Upon the 12 of *January*, the Moon being then 19 days old, she shineth 8 hours 44 min. and on that day the Sun riſes at 7 hours 48 min.

Now if you ſubſtraſt 8 hours 45 min. the Moons ſhining, from 7 hours 44 min. the Suns Riſing, by adding 12 hours to it (becauſe it is leſs than the Moons ſhining) the remainder will be 11 hours 2 min. and at that hour doth the Moon riſe.

	h.	m.
<i>Jan</i> 12. Sun riſes at 7 h. 47 m. add 12 hours	19	47
Moons Age 19 days, ſhe ſhineth	8	48

Time of the Moons Riſing	10	59
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2. For the Moons Setting.

IF the Moon be leſs than 15 days old, and the hours and min. of the Moons ſhining to the hours and min. of the Suns ſetting, and the Sun is the time of the Moons ſetting.— But if the Moon be above 15 days old, ſubſtraſt the time of the Moons ſhining from the time of the Suns ſetting (adding 12 hours if need be) and the remainder is the time of the Moons ſetting.

Example 1.

	h.	m.
<i>January</i> the 5 the Sun ſets at	4	4
Moon 12 days old, ſhe ſhineth	9	36

The Moon ſets	13	40
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That is, at 40 min. after 1 the next morning.

Example

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Example 2.

	h.
January 12 the Sun sets at _____	4
To which add 12 hours, the sum is	16
Moon is 19 days old, the shineth _____	8

The Moon sets _____ 7
That is, at 25 min. after 7 the next morning.

IV. To find the hour of the Night by the shadow of the Moon upon a Sun-Dial

First find the time of the Moons coming to the South, before taught, then repair to a Sun-Dial, and mark how many hours and minutes the shadow wanteth of 12 a Clock, which hours and minutes take from the time of the Moon coming to the South, and the remainder is the true hour of Night. — But if the shadow be past 12 a Clock, you must add so many hours and min. as the shadow is past 12, the time of the Moons coming to the South, and the sum of them will be the hour of the Night.

Example.

Upon the 6 of January I find the Moon is 13 days old, so she comes to the South at 10 a Clock and 24 min. after 9. Now suppose that the same night you should look upon a Sun-Dial, and should find the shadow to fall upon half an hour after 9, which wants 2 hours and an half of the line of 12, this taken from 10 hours 24 min. the time of the Moon coming to the South, leaves 7 hours and 54 min. so that the true hour of the night is 54 min. after 7.

Again, suppose that the same night you had looked and found the shadow to fall upon the hour-line of 1 on the Dial, this one hour being added to the 10 hours 24 min. (the time of the Moons coming to the South) the sum would be 11 hours and 24 min. So that the true hour of the Night is 24 min. after 11 at Night.

F I N I S.